

**10/573830**

Customer No. 22,852  
Attorney Docket No. 09952.0029

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of:

**IAP5 Rec'd PCT/PTO 29 MAR 2006**

**Valeria D'AMICO et al.**

Application No.: **Not Yet Assigned**

Filed: **March 29, 2006**

National Stage of International Application No.  
**PCT/EP2003/0101815** under 35 U.S.C. 371,  
for **CHANNEL ESTIMATION USING PILOT**  
**SYMBOLS**

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)  
) **Group Art Unit: Not Yet Assigned**

)  
) **Examiner: Not Yet Assigned**  
)  
)

**MAIL STOP PCT**  
**Commissioner for Patents**  
**P.O. Box 1450**  
**Alexandria, VA 22313-1450**

Sir:

**INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. § 1.97(b)**

Pursuant to 37 C.F.R. §§1.56 and 1.97(b), applicants bring to the Examiner's attention the documents listed on attached Form PTO/SB/08 and cited in the international search report. With exception of the U.S. publications, copies of the listed documents are attached. Applicants respectfully request that the Examiner consider the documents listed on attached Form PTO/SB/08 and indicate that they were considered by making an appropriate notation on this form. This Information Disclosure Statement is being filed with the above-referenced application.

Also enclosed is an English-language international search report from the European Patent Office in the PCT international application, from which this national phase U.S. application is derived.

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This submission does not represent that a search has been made or that no better art exists and does not constitute an admission that each or all of the listed documents are material or constitute "prior art." If the Examiner applies any of the documents as prior art against any claim in the application and applicants determine that the cited documents do not constitute "prior art" under United States law, applicants reserve the right to present to the Office the relevant facts and law regarding the appropriate status of such documents. Applicants further reserve the right to take appropriate action to establish the patentability of the disclosed invention over the listed documents, should one or more of the documents be applied against the claims of the present application.

If there is any fee due in connection with the filing of this Statement, please charge the fee to our Deposit Account No. 06-0916.

Respectfully submitted,

FINNEGAN, HENDERSON, FARABOW,  
GARRETT & DUNNER, L.L.P.

Dated: March 29, 2006

By:



Ernest F. Chapman

Reg. No. 25,961

Enclosures  
EFC/FPD/sci

IDS Form PTO/SB/08: Substitute for form 1449A/PTO				<b>Complete if Known</b>	
				Application Number	Not Yet Assigned
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>				Filing Date	March 29, 2006
				First Named Inventor	Valeria D'Amico et al.
				Art Unit	Not Yet Assigned
				Examiner Name	Not Yet Assigned
				Attorney Docket Number	09952.0029
(Use as many sheets as necessary)					
Sheet	1	of	1		

U.S. PATENTS AND PUBLISHED U.S. PATENT APPLICATIONS					
Examiner Initials	Cite No. <sup>1</sup>	Document Number	Issue or Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
		US-2001/0043642 A1	11-22-2001	HIRATA	
		US-2002/0186677 A1	12-12-2002	LEUNG	
		US-2002/0122471 A1	09-05-2002	LING	

**Note: Copies of the U.S. Patent Documents are not Required in IDS filed after October 21, 2004**

FOREIGN PATENT DOCUMENTS						
Examiner Initials	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Translation <sup>6</sup>
		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)				

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	Translation <sup>6</sup>
		YLITALO, J., "Channel Estimation Study of CDMA Downlink For Fixed Beam BTS," IEEE, PIMRC 2002, Vol. 1, pp. 242, 246, (2002).	
		SEEGER, A. et al., "Antenna Weight Verification for Closed-Loop Downlink Eigenbeamforming," GLOBECOM' 02, IEEE GLOBAL TELECOMMUNICATIONS CONFERENCE. CONFERENCE PROCEEDINGS, TAIPEI, TAIWAN, NOV. 17-21, 2002, IEEE GLOBAL TELECOMMUNICATIONS CONFERENCE, NEW YORK, NY: IEEE, Vol. 1 of 3, pp. 982-986, (November 17, 2002).	
		J. BALTERSEE, G. et al., "Performance Analysis of Phasor Estimation Algorithms for a FDD-UMTS RAKE Receiver," IEEE 6 <sup>th</sup> Int. Symp. on Spread-Spectrum Tech. & Appl., NJIT, New Jersey, pp. 476-480, (September 6-8, 2000).	

Examiner Signature		Date Considered	
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**EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.